

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032919\
 Data File : VX008540.D
 Acq On : 29 Mar 2019 13:43
 Operator : JC/SP
 Sample : VX0329WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/30/2019 9:50:22 AM

Quant Time: Mar 29 23:39:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032719W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Mar 27 12:01:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	34407	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	196710	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	173760	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	85282	29.63	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.77%
60) 4-Bromofluorobenzene	11.13	95	89166	29.45	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.17%
63) Toluene-d8	8.71	98	250860	30.41	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.37%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	44357	18.853	ug/l 99
3) Chloromethane	1.32	50	61237	19.866	ug/l 96
4) Vinyl Chloride	1.40	62	58045	18.681	ug/l 98
5) Bromomethane	1.64	94	24812	15.412	ug/l 100
6) Chloroethane	1.72	64	36889	18.139	ug/l 94
7) Trichlorofluoromethane	1.93	101	65297	18.934	ug/l 99
8) Diethyl Ether	2.19	74	31210	19.190	ug/l 83
9) 1,1,2-Trichlorotrifluoroet	2.39	101	39831	18.546	ug/l 91
10) 1,1-Dichloroethene	2.37	96	41016	18.825	ug/l 83
11) Methyl Iodide	2.51	142	31968	14.169	ug/l 97
12) Methyl Acetate	3.19	43	34089	19.304	ug/l 91
13) Acrolein	2.29	56	39029	77.038	ug/l 99
14) Acrylonitrile	3.14	53	164315	100.641	ug/l 100
15) Acetone	2.44	58	44519	88.423	ug/l 94
16) Carbon Disulfide	2.57	76	123746	18.257	ug/l 99
17) Allyl chloride	2.73	41	92637	18.917	ug/l 91
18) Methylene Chloride	2.85	84	50502	19.390	ug/l 84
19) trans-1,2-Dichloroethene	3.17	96	44476	19.106	ug/l 85
20) Diisopropyl ether	3.85	45	187802	19.704	ug/l # 90
21) 1,1-Dichloroethane	3.70	63	93291	19.500	ug/l 96
22) cis-1,2-Dichloroethene	4.60	96	52005	19.333	ug/l # 81
23) tert-Butyl Alcohol	3.04	59	64864	98.385	ug/l # 100
24) Methyl tert-Butyl Ether	3.20	73	153953	19.226	ug/l 98
25) Chloroform	5.21	83	84118	19.411	ug/l 98
26) Cyclohexane	5.58	56	88252	18.988	ug/l # 84
29) 1,1-Dichloropropene	5.80	75	62307	18.828	ug/l 94
30) 2-Butanone	4.67	43	238458	97.988	ug/l 94
31) 2,2-Dichloropropane	4.59	77	61728	18.676	ug/l 96
32) 1,1,1-Trichloroethane	5.49	97	67211	19.557	ug/l 94
33) Carbon Tetrachloride	5.79	117	53860	18.732	ug/l 98
34) Benzene	6.14	78	198852	19.657	ug/l # 96
35) Methacrylonitrile	5.04	41	49372	19.950	ug/l 93
36) 1,2-Dichloroethane	6.19	62	71444	19.809	ug/l 97
37) Trichloroethene	7.21	130	45075	19.375	ug/l 89
38) Methylcyclohexane	7.46	83	79058	18.958	ug/l 89
39) 1,2-Dichloropropane	7.51	63	54757	19.084	ug/l 100
40) Dibromomethane	7.66	93	32479	19.541	ug/l 88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	7.90	83	62355	19.080	ug/l	96
42) Vinyl Acetate	3.81	43	824980	100.004	ug/l #	94
43) Ethyl Acetate	4.83	43	89596	20.456	ug/l #	82
44) Isopropyl Acetate	6.45	43	139084	19.638	ug/l	98
45) 1,4-Dioxane	7.74	88	30104	426.983	ug/l	87
46) Methyl methacrylate	7.77	41	70035	19.470	ug/l	89
47) n-amyl Acetate	10.90	43	123797	19.243	ug/l	95
48) t-1,3-Dichloropropene	9.04	75	68375	18.523	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	77971	18.884	ug/l	94
50) 1,1,2-Trichloroethane	9.21	97	47414	19.212	ug/l	96
51) Ethyl methacrylate	9.18	69	87933	19.146	ug/l	91
52) 1,3-Dichloropropane	9.37	76	86365	19.670	ug/l	99
53) Dibromochloromethane	9.58	129	45207	18.614	ug/l	100
54) 1,2-Dibromoethane	9.67	107	49713	19.540	ug/l	98
55) 2-Chloroethyl vinyl ether	8.31	63	230627	99.539	ug/l	95
56) Bromoform	10.85	173	31592	17.849	ug/l #	99
58) 4-Methyl-2-Pentanone	8.64	43	460923	100.548	ug/l #	95
59) 2-Hexanone	9.49	43	357245	98.642	ug/l	97
61) Tetrachloroethene	9.34	164	38259	20.130	ug/l	97
62) Toluene	8.78	91	208546	19.823	ug/l	99
64) Chlorobenzene	10.13	112	120207	19.500	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.22	131	42274	19.451	ug/l	98
66) Ethyl Benzene	10.25	91	226000	19.354	ug/l	95
67) m/p-Xylenes	10.36	106	162275	38.100	ug/l	88
68) o-Xylene	10.69	106	80849	19.398	ug/l	93
69) Styrene	10.71	104	138736	19.130	ug/l	96
70) Isopropylbenzene	11.02	105	214083	19.472	ug/l	95
71) 1,1,2,2-Tetrachloroethane	11.27	83	81250	19.782	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	78543m	22.624	ug/l	
73) Bromobenzene	11.26	156	49759	19.023	ug/l	78
74) n-propylbenzene	11.36	91	250495	19.125	ug/l	94
75) 2-Chlorotoluene	11.42	91	149407	19.174	ug/l	90
76) 1,3,5-Trimethylbenzene	11.51	105	179857	19.135	ug/l	96
77) t-1,4-Dichloro-2-butene	11.07	75	23829	17.894	ug/l	95
78) 4-Chlorotoluene	11.51	91	169564	18.907	ug/l	90
79) tert-butylbenzene	12.06	119	181709	18.917	ug/l	96
80) 1,2,4-Trimethylbenzene	11.80	105	178757	19.073	ug/l	95
81) sec-Butylbenzene	11.94	105	205128	19.100	ug/l	96
82) p-Isopropyltoluene	12.06	119	181709	18.917	ug/l	96
83) 1,3-Dichlorobenzene	12.02	146	88587	19.077	ug/l	97
84) 1,4-Dichlorobenzene	12.10	146	87213	18.794	ug/l	96
85) n-Butylbenzene	12.38	91	164785	18.055	ug/l	97
86) Hexachloroethane	12.59	117	29057	18.105	ug/l	99
87) 1,2-Dichlorobenzene	12.39	146	89298	19.085	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	13.00	75	17865	19.625	ug/l #	76
89) 1,2,4-Trichlorobenzene	13.65	180	60873	18.860	ug/l	99
90) Hexachlorobutadiene	13.78	225	29343	18.871	ug/l	98
91) Naphthalene	13.83	128	218426	19.753	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	62691	19.282	ug/l	99

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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